NEXTera ENERGY POINT BEACH

May 6, 2009

NRC 2009-0050
10 CFR 50.73

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Point Beach Nuclear Plant, Unit 1
Docket 50-266
Renewed License No. DPR-24

Licensee Event Report 266/2009-001-00
One Component Cooling Water Pump Inoperable In Excess of Technical Specification Allowed Completion Time

Enclosed is Licensee Event Report (LER) 266/2009-001-00 for Point Beach Nuclear Plant (PBNP), Unit 1. This LER documents a component cooling water pump that was inoperable in excess of the time allowed by plant Technical Specifications. Pursuant to 10 CFR 50.73(a)(2)(i)(B), the event is reportable as "... an operation or condition that was prohibited by the plant's Technical Specifications."

This submittal contains no new or revised regulatory commitments.

If you have questions or require additional information, please contact Mr. James Costedio at 920/755-7427.

Very truly yours,

NextEra Energy Point Beach, LLC

Larry Meyer
Site Vice President

Enclosure

cc: Administrator, Region III, USNRC
Project Manager, Point Beach Nuclear Plant, USNRC
Resident Inspector, Point Beach Nuclear Plant, USNRC
PSCW

NRC FORM 366 (9-2007) U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0104 EXPIRES: 08/31/2010

Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Records and FOIA/Privacy Service Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

LICENSEE EVENT REPORT (LER)

(See reverse for required number of digits/characters for each block)

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4. TITLE

Component Cooling Water Pump Inoperable In Excess of Technical Specification Allowed Completion Time

5. EVENT DATE			6. LER NUMBER			7. REPORT DATE			8. OTHER FACILITIES INVOLVED	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO.	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
03	09	2009	2009	- 001 -	00	05	06	2009	FACILITY NAME	DOCKET NUMBER

9. OPERATING MODE

Unit 1 - MODE 1

10. POWER LEVEL

Unit 1 - 100%

11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR§: *(Check all that apply)*

☐ 20.2201(b)	☐ 20.2203(a)(3)(i)	☐ 50.73(a)(2)(i)(C)	☐ 50.73(a)(2)(vii)
☐ 20.2201(d)	☐ 20.2203(a)(3)(ii)	☐ 50.73(a)(2)(ii)(A)	☐ 50.73(a)(2)(viii)(A)
☐ 20.2203(a)(1)	☐ 20.2203(a)(4)	☐ 50.73(a)(2)(ii)(B)	☐ 50.73(a)(2)(viii)(B)
☐ 20.2203(a)(2)(i)	☐ 50.36(c)(1)(i)(A)	☐ 50.73(a)(2)(iii)	☐ 50.73(a)(2)(ix)(A)
☐ 20.2203(a)(2)(ii)	☐ 50.36(c)(1)(ii)(A)	☐ 50.73(a)(2)(iv)(A)	☐ 50.73(a)(2)(x)
☐ 20.2203(a)(2)(iii)	☐ 50.36(c)(2)	☐ 50.73(a)(2)(v)(A)	☐ 73.71(a)(4)
☐ 20.2203(a)(2)(iv)	☐ 50.46(a)(3)(ii)	☐ 50.73(a)(2)(v)(B)	☐ 73.71(a)(5)
☐ 20.2203(a)(2)(v)	☐ 50.73(a)(2)(i)(A)	☐ 50.73(a)(2)(v)(C)	☐ OTHER
☐ 20.2203(a)(2)(vi)	☒ 50.73(a)(2)(i)(B)	☐ 50.73(a)(2)(v)(D)	Specify in Abstract below or in NRC Form 366A

12. LICENSEE CONTACT FOR THIS LER

NAME	TELEPHONE NUMBER (Include Area Code)
Jeremy Keltner	920/755-7679

13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT

CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX
B	CC	P		Yes					

14. SUPPLEMENTAL REPORT EXPECTED

☐ YES *(If yes, complete 15. EXPECTED SUBMISSION DATE)* ☒ NO

15. EXPECTED SUBMISSION DATE	MONTH	DAY	YEAR

ABSTRACT *(Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)*

From 1724 hours on 1/1/09 to 1410 hours on 1/5/09, and from 1031 hours on 1/27/09 to 1539 hours on 1/31/09, oil from the inboard bearing oiler of component cooling water (CCW) pump, 1P-11B, leaked at a rate that could have prevented the pump from fulfilling its 30-day mission time. During the periods of oil leakage, the pump remained in service. Safety analyses credit the CCW system for 30 days of continuous operation during the post-accident recirculation phase. Reviews completed in March 2009 concluded that the pump would not have fulfilled its 30-day mission time during the referenced timeframes. Therefore, the pump was inoperable in excess of the 72-hour Completion Time allowed by Technical Specification 3.7.7.A.

The event was caused by the failure to document oil additions to 1P-11B in the corrective action program (CAP) and a failure to perform an adequate operability review. Corrective actions include reinforcing the importance of documenting oil additions in the CAP and revising maintenance and operation procedures. During the periods of oil leakage, required CCW flow was maintained to safety-related equipment. The event is of low safety significance.

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A. REPORTABLE OCCURRENCE

During the period from 1/1/09 to 1/5/09, small oil additions to the inboard bearing oiler and sight glass tubing assembly [EIIS= 38] of component cooling water (CCW) pump [EIIS= P], 1P-011B, were required on three (3) occasions. Throughout this period, the pump remained in service. The oil additions were not documented in the corrective action program (CAP). At 1410 on 1/5/09, the pump was declared out of service (OOS) and Technical Specification Action Condition (TSAC) 3.7.7.A was entered for maintenance. At 2124 hours on 1/5/09, satisfactory post-maintenance testing was completed and the pump was returned to service.

Between 1/5/09 to 1/27/09, operators conducting rounds each shift verified proper pump operation. There were no entries of oil leakage documented in the narrative logs.

At 1031 hours on 1/27/09, oil was added to the inboard bearing oiler. The addition was documented in the CAP for trending purposes only. At 1539 hours on 1/31/09, operators determined that another oil addition to the inboard bearing oiler was required. At that time, the pump was declared OOS and TSAC 3.7.7.A was entered for maintenance. The oil addition was entered into the CAP. At 1908 hours on 1/31/09, the pump was returned to service. At 0831 on 2/1/09, operators again discovered that oil needed to be added to the inboard bearing oiler. The pump was declared OOS and TSAC 3.7.7.A was entered. The condition was entered into the CAP. At 0043 hours on 2/4/09, satisfactory post-maintenance testing was completed on the pump and the pump was returned to service.

The CCW system removes residual and sensible heat from the reactor coolant system in support of long-term cooling following a loss of coolant accident (LOCA). Plant safety analyses credit the CCW system for 30 days of continuous operation during the post-LOCA, residual heat removal recirculation phase.

Plant procedures require refilling the pump inboard bearing oiler whenever the oil bubbler drops below one-third (1/3) level. During the period from 1/1/09 to 1/5/09, the pump inboard bearing oiler required refill on three (3) occasions. During the period from 1/27/09 to 1/31/09, the pump inboard bearing oiler required refill on two (2) occasions. A maximum allowable oil leak rate is not specifically defined in plant design bases documents and threshold oil leakage criterion for pump operability had not been established prior to the subject periods.

Based upon the quantity and frequency of oil refills during the periods of oil leakage, past operability evaluations completed in March 2009 determined that the estimated time for depletion of the pump inboard bearing oil would occur before CCW Pump 1P-11B would have completed its 30-day mission time. When the cumulative time of inoperability was considered, it was concluded that the pump was inoperable in excess of the 72-hour Technical Specification (TS) allowable Completion Time and is reportable in accordance with 10 CFR 50.73(a)(2)(i)(B) as, "...an operation or condition that was prohibited by the plant's Technical Specifications."

B. INITIAL CONDITIONS

Unit 1 in MODE 1, 100% Power, January 1, 2009 through January 5, 2009.

Unit 1 in MODE 1, 98% to 100% Power, January 27, 2009 through January 31, 2009.

C. CAUSE OF EVENT

The cause of the event was the failure to document oil additions to 1P-11B into the corrective action program (CAP) and a failure to perform an adequate operability review as a result of the oil leakage problems.

D. EXTENT OF CONDITION

An extent of condition review was performed with the following conclusions reached:

- Operations procedures need to be revised to assure that small oil leaks on safety-related pumps are evaluated for their potential impact on pump operability.

- Maintenance procedures for safety-related pumps need to be revised to incorporate vendor and industry operating experience and to provide a greater level of detail.

E. ASSESSMENT OF SAFETY CONSEQUENCES

The plant response during and following the periods of oil leakage was as expected and Unit 1 was maintained in a safe, controlled condition at all times. Prior to securing CCW pump 1P-11B, 1P-11A was started and required CCW flow to safety related equipment was maintained at all times. Therefore, CCW system availability was not challenged by this event. Online risk assessments performed when CCW pump 1P-11B was inoperable were green during the periods of oil leakage. Accordingly, this event is of low safety significance.

F. CORRECTIVE ACTIONS

The following corrective actions have been identified as a result of the causal evaluations performed:

Completed Corrective Actions:

1. CCW pump 1P-11B was declared OOS for oil leakage concerns and actions were taken to repair the pump under a plant maintenance work order.

2. Expectations have been reiterated in Operations regarding the sensitivity of oil additions to safety related pumps and actions to be taken when problems are identified.

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Corrective Actions currently tracked in the Corrective Action Program.

1. Establish a tracking process for oil additions to safety-related pumps.

2. Add precautions and limitations to plant operating instructions stating that small oil leaks can cause pump inoperability to ensure that knowledge of this event is not lost.

3. Revise affected maintenance procedures to incorporate vendor and industry operating experience and to provide a greater level of detail.

G. ADDITIONAL INFORMATION

None

H. SIMILAR EVENTS

None